

Appl. No. 09/994,332
Amdt. Dated August 19, 2005
Reply to Office action of July 27, 2005
Attorney Docket No. P14470/34648-469USPT
EUS/J/P/05-6147

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Original) A method of optimizing data throughput in a circuit switched mobile radio connection, said method comprising: determining a peak number of substreams to be used for data in said mobile radio connection; allocating said peak number of substreams to be used for data in said mobile radio connection; monitoring a quality of a radio interface; adjusting said mobile radio connection to use fewer substreams of data than said peak number of substreams if said quality of said radio interface is below a predefined level; and retaining any allocated substreams that have become unused for a duration of the connection.
2. (Original) The method according to claim 1, wherein said peak number of substreams are allocated on a per radio frequency timeslots basis.
3. (Original) The method according to claim 1, wherein said peak number of substreams are allocated on a per connection basis.
4. (Original) The method according to claim 1, wherein said peak number of substreams is determined based on a number of timeslots allotted to said mobile radio connection.
5. (Original) The method according to claim 4, wherein said peak number of substreams is determined based on a user requested data rate for said mobile radio connection.
6. (Original) The method according to claim 1, wherein adjusting said mobile radio connection includes changing a coding scheme thereof.

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7. (Original) The method according to claim 6, wherein said coding scheme is changed via in-band signaling.
8. (Original) The method according to claim 6, wherein said coding scheme is changed via a combination of in-band and out-band signaling.
9. (Original) The method according to claim 7, further comprising sending quality measurements of said radio interface via in-band signaling.
10. (Original) The method according to claim 1, wherein adjusting said mobile radio connection includes changing a modulation scheme thereof.
11. (Original) The method according to claim 1, wherein adjusting said mobile radio connection includes changing an allotted number of radio frequency timeslots thereof.
12. (Original) A mobile communication system capable of supporting a circuit switched mobile radio connection, comprising: a base transceiver station; a mobile services switching center; and a base station controller connected to said base transceiver station and said mobile services switching center, said base station controller configured to: determine a peak number of substreams that may be used for data in said mobile radio connection; allocate said peak number of substreams to be used for data in said mobile radio connection; monitor a quality of a radio interface; adjust said mobile radio connection to use fewer substreams of data than said peak number of substreams if said quality of said radio interface is below a predefined level; and retaining any allocated substreams that have become unused for a duration of the connection.

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13. (Original) The system according to claim 12, wherein said peak number of substreams are allocated on a per radio frequency timeslots basis.
14. (Original) The system according to claim 12, wherein said peak number of substreams are allocated on a per connection basis.
15. (Original) The system according to claim 12, wherein said peak number of substreams is determined based on a number of timeslots allotted to said mobile radio connection.
16. (Original) The system according to claim 15, wherein said peak number of substreams is determined based on a user requested data rate for said mobile radio connection.
17. (Original) The system according to claim 12, wherein said mobile radio connection is adjusted by changing a coding scheme thereof.
18. (Original) The system according to claim 17, wherein said coding scheme is changed via in-band signaling.
19. (Original) The system according to claim 17, wherein said coding scheme is changed via a combination of in-band and out-band signaling.
20. (Original) The system according to claim 18, further comprising sending quality measurements of said radio interface via in-band signaling.
21. (Original) The system according to claim 12, wherein said mobile radio connection is adjusted by changing a modulation scheme thereof.

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22. (Original) The system according to claim 11, wherein said mobile radio connection is adjusted by changing an allotted number of radio frequency timeslots thereof.

23-30. (Withdrawn)

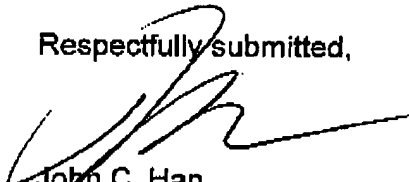
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CONCLUSION

In view of the foregoing remarks, the Applicant believes all of the claims currently pending in the Application to be in a condition for allowance. The Applicant, therefore, respectfully requests that the Examiner withdraw all rejections and issue a Notice of Allowance for all pending Claims.

The Applicant requests a telephonic interview if the Examiner has any questions or requires any additional information that would further or expedite the prosecution of the Application.

Respectfully submitted,



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